Investigating Extraction Apparatuses With Mechanical S07/64-58-7-12/18 Mixing of the Phases.
Rotor Disk Extractors

gated: 1.-Diisopropyl ether - water - phenol, and 2.-Kerosene - water - phenol (water = tap water, phenol is pure according to GOST 64-17 - 52, diisopropyl ether - % = 0.725, boiling-point 68.6°, kerosene - % = 0.816, boiling range 119 - 232°). A change of the ratio ether:water from 1:3 to 1:9 and that of kerosene:water from 1:3 to 1:10 shows a low effect on the capacity limit of the extractor. The capacity of the extractor decreases to a certain limit with the increase in the speed of rotation of the rotor, with the intensity of mass transfer (mainly) increasing. There are 10 figures, 5 tables, and 26 references, 6 of which are Soviet.

Card 2/2

KAGAN, S.Z.; MAKAROV, G.N.; VOSTRIKOVA, V.N.

Pulse-column extractors used for dephenolising waste waters.

Gas. prom. no.9:16-20 S '58. (MIRA 11:10)

(Water--Purification) (Extraction apparatus)

KAGAN, S.Z.; AEROV, M.E.; VOLKOVA, T.S.; VOSTRIKOVA, V.N.

Investigating extractors with mechanical phase-mixing (pulsating extractors). Khim.prom. no.3:699-694 D '59. (MIRA 13:6)

(Extraction apparatus)

3/064/60/000/006/007 (htt. 8191/3200 1 1.30.33 Kasatkin, A. C., Kagan, S. Z., Trukhanov, 1 3 Empirical equations for the equilibrium distribution of liquid - liquid systems IL ICOTOAL: Khimicheskaya promychlennost', no. 6, 1760, 50-53 AMA Verious scientists have suggested empirical equations for calculating the total equilibrium-distribution curve from two points characterizing the ampediation of the coexisting equilibrium phases. Among these ocientists, 2 3 Hand, I. Bachman , D. F. Othmer, and F. M. Tobias are mentioned. The relation between the equilibrium composition of the refined products and that of the extract was deduced by the authors in the general form $y = Ax^{n} + Bx^{n+1} + ... + Fx$ (4), where n = 1, 2, 3depends on the fact how many molecules of the distributed substances appociate to one molecule. A, B. .. F are coefficients dependent on the A process of the molecules of the distributed substance and on or distribution coefficient. Eq. (4) is based on the assumption that the Card 1/ # 9

5/064/60/000/006/001/011 B114/8020 Empirical equations for the ... molecules of the distributed substance are present in the extract in form \sim . Johnson The equation $y = Kx_1 + 2KC_2x_1^2 + 3KC_3x_1^5 + \dots + nKC_nx_1^n$ (10) is derived. shora k is the distribution coefficient, $\mathbf{C_2}$, $\mathbf{C_3}$, and denstants descen nent on temperature. This equation proves the correctness of equation (4). whereby $nKC_n = A$; $(n-1)KC_{n-1} = B$, and K = F. The numerical values of P may be determined from the experimental data by lowering the gowers in equation (10) In the assumption that the equilibrium rependence of any liquid - liquid system is represented by curve ! (Fig. 1) and that thic turve may be represented by equation (4) and finally that this equation as corresponded in form of the function y/x = f(x), another surve 2 (white spation is $y/x = 4x^{n-1} + Bx^{n-2} + \dots + F$) can be plotted in the coordinates with x. If it is assumed, for reasons of simplification, that the associated polymer molecules in the refined product contain at most three initial Inferrulce of the substance distributed (n \approx 3), one obtains in the new r sidinates which correspond to the new functional dependence $\{(y/x) \in F | / |x| = f(x) \}$ the straight line 4 having $G = \{y \in G(x) | x \in G(x) \}$ Card 2/80

33023 R S/064/60/000/006/007/011 B124/B220

Empirical equations for the ...

 $\lceil (y/x) - F \rceil / x = Ax^{n-2} + B = Ax + B$. Equation (10) has been checked on various liquid - liquid systems taking account of three possible equilibrium lines. In systems having maxima on the equilibrium distribution curve not a single equation can be obtained in the concentration range from 0 to the critical point K; in these cases, the final straight line obtained by successive lowering of the powers in equation (10) must show breaks, and for the linear sections of the broken line particular equations have to be obtained. Equation (10) was used for equilibrium data obtained by the authors and other scientists, i.e. for more than 30 liquid - liquid systems. The systems water - diisopropyl ether (Ref. 9: F. J. Frere, Ind. Eng. Chem., 41. No. 10, 2365 (1949)) (Fig. 3a) and water - pyrocatechin - diisopropyl ether (Fig. 36) were taken as examples; the latter according to data by I. V. Filippov (Vsesoyuznyy nauchno-issledovatel'skiy institut neftyanoy promyshlennosti = All-Union Scientific Research Institute of the Petroleum Industry). In Figs. 3, 4, and 5, the auxiliary lines II, III, and IV are shown besides the equilibrium curves I. From Fig. 3 it is evident that the equation $y = Ax_2 + Bx$ holds for the equilibrium dependences of these systems. For the system water - acetic acid - benzene a break with the coordinates y/x - x is characteristic; for the lower section of the curve $y = Ax^2$, and Card 3/89

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619910016-8"

33023 R 8/064/60/000/006/007/011 B124/B220

Empirical equations for the ...

for the upper section $y = A_1x^2 + B_1x$. In Fig. 46, (system glycerin - ethyl amine - acetone) the case is shown, where the auxiliary line with the coordinates y/x - x has a straight and a curved section. Finally the system 4 N HNO₃ - zirconium nitrate - 10% solution of diisoamyl ester of the methyl phosphinic acid (DAMPA) in kerosene (according to data by V. V. Tarasov (Moscow Institute of Chemical Technology imeni D. I. Mendeleyev)) (Fig. 5) is dealt with. The empirical equation $y = Ax^4 + Bx^3 + Cx^2 + Dx$ holds for this system. There are 5 figures, table, and 13 references: 3 Soviet-bloc and 13 non-Soviet-bloc. The most important references to English-language publications read as follows: D. B. Hand. J. Phys. Chem., 34, 1961 (1930); I. Bachman, J. Phys. Chem., 44. 446 (1940); D. F. Othmer, P. E. Tobias, Ind. Eng. Chem., 34, 639 (1942).

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D. I.
Mendeleyeva (Moscow Institute of Chemical Technology imeni
D. I. Mendeleyev)

Card 4/8 4

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619910016-8"

KASATKIN, A.G.; EAGAN, S.Z.; TRUKHANOV, V.G.

Impirical equations for equilibrium distribution in liquid liquid systems. Enim. prom. no. 6:488-492 S *60.

(MIRA 13:11)

(Extraction (Chemistry)) (Phase rule and equilibrium)

KASATKIN, A.G.; KAGAN, S.Z.; TRUKHANOV, V.G.

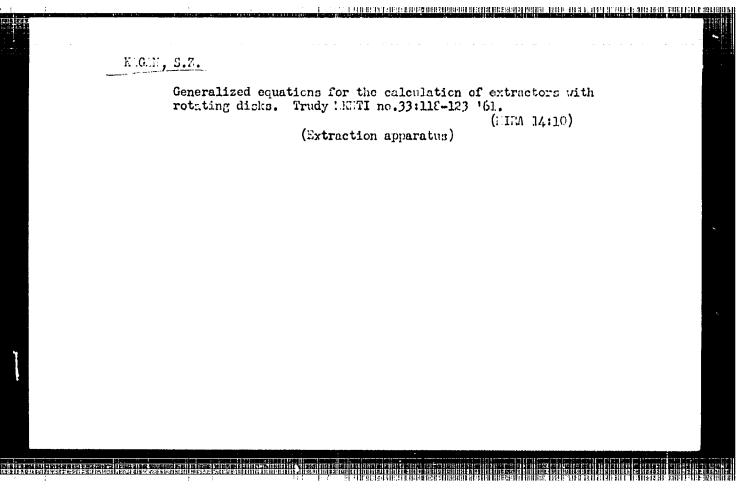
Statios of the extraction of caprolactam by organic solvents.

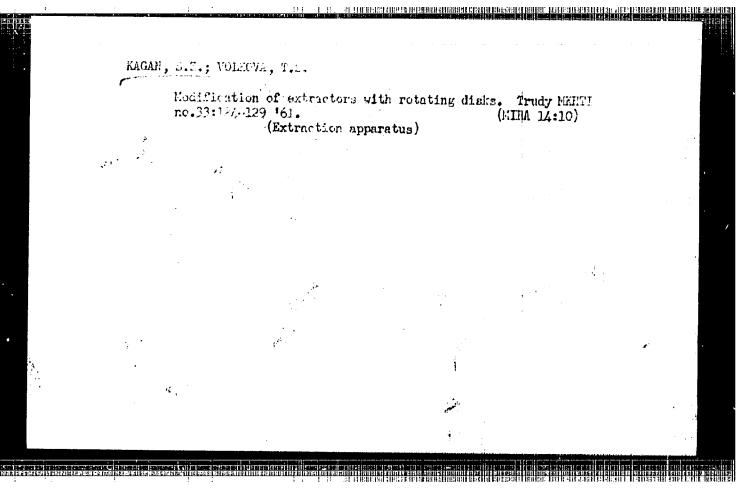
Khim.prom. no.3:190-196 Mr '61.

(Azepine) (Solvents)

EAGAN, S.Z.; VOKOVA, T.S.; AEROV, M.E.

Investigation of longitudinal mixing in rotor-disk extractors. Khim. prom. no.12:861-865 D '61. (MIRA 15:1) (Extraction apparatus)



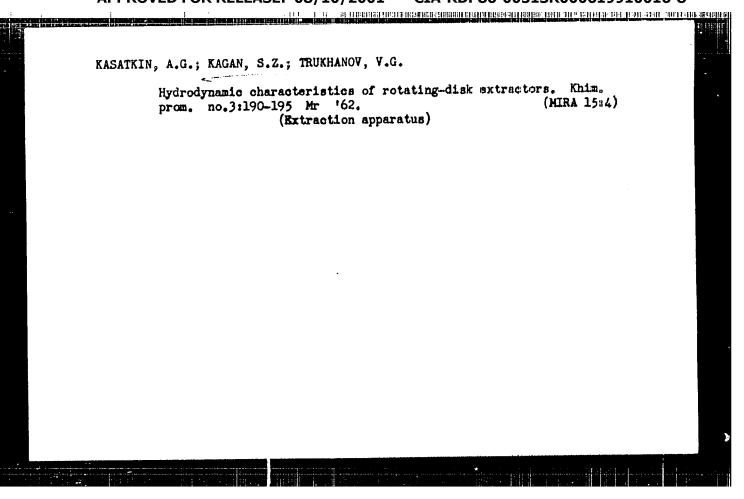


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KAGAN, S.Z.

"Modern industrial centrifuges" by V.I. Sokolov. Reviewed by S.Z. Kagan. Khim.prom. no.2011fuges)

(Sokolov, V.I.)



PLANOVSKIY, Aleksandr Nikolayevich; RAMM, Vitaliy Maksimovich; KAGAN,
Solomon Zakharovich; AVRAMOVA, N.S., red.; RATMANSKIY, M.N.,
red.; KOGAN, V.V., tekhn. red.

[Unit operations and equipment of chemical engineering]Protsessy i apparaty khimicheskoi tekhnologii. Izd.2, dop. i perer.

Moskva, Goskhimizdat, 1962. 847 p. (MIRA 16:3)

(Chemical engineering—Equipment and supplies)

KAGAN, S.Z.; VOLKOVA, T.S.; FILIPPOV, I.V.; AEROV, M.K.

Testing an experimental commercial rotary-disk extractor for dephenolizing tar waters. Gaz. prom. 7 nc.4:13-17'62 (MXRA 17:7)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619910016-8"

AEROV, M.E.; KAGAN, S.Z.; VOLKOVA, T.S.

Pilot plant testing and problems of modeling rotary-disk extractors. Khim. prom. no.4:292-294 Ap 163.

(MIRA 16:8)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619910016-8"

KAGAN, S.Z.; AEROV, M.E.; VOLKOVA, T.S.; TRUKHANOV, V.G.

Calculation of the diameter of drops in rotor-disk extractors. Zhur.prikl, khim. 37 no.1:58-64 Ja '64. (MIRA 17:2)

FILIPPOV, I.V.; KAGAN, S.Z.; KONDRAT'YEVA, M.I.

Using the extraction method for the purification of phenolbearing wastes from coke and coal chemical plants. Koks i khim. no.12:46-49 '63. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut neftyanoy promyshlennosti (for Filippov). 2. Moskovskiy khimiko-tekhnolo-gicheskiy institut im. D.I. Mendeleyeva (for Kagan, Kondrat'yeva).

AEROV, M.E.; KAGAN, S.Z.; VOLKOVA, T.S.; NIKITIN, L.Ya.

Coefficients of logitudinal mixing in rotating-disk extractors. Zhur. prikl. khim. 36 no.9:1994-2000 D '63.

(MIRA 17:1)

KAGAN, S.Z.; KOVALEV, Yu.N.

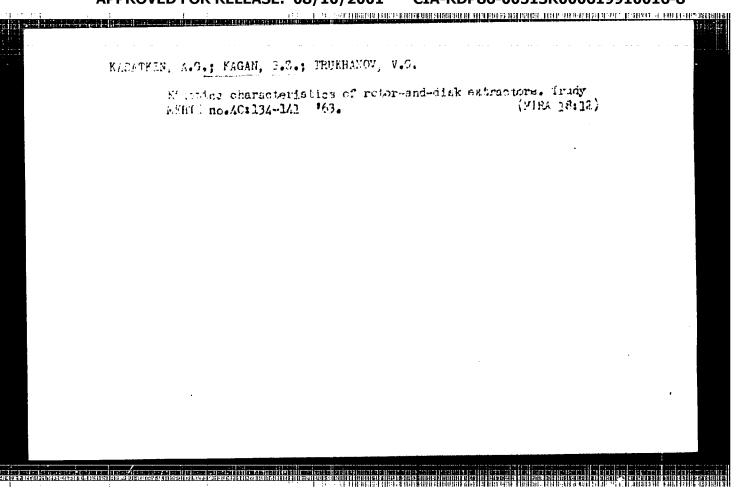
Using the liquid extraction method for the extraction of higher alcohols from their mixtures with hydrocarbons; review of literature. Trudy MKHTI no.40:122-127 '63.

(MIRA 18:12)

KAGAN, S.Z.; KOVALEV, Yu.N.; KAGAN, Yu.B.; OFLOVA, N.A.

Studying the extraction of higher alcohols from their mixtures with hydrocarbons. Trudy MKHTI no.40:128-133 *63.

(MIRA 18:12)



KAGAN, S.Z.; TRUKHANOV, V.G.; KOSTIN, P.A.; KUDRYAVISEV, Ye.N.

Use of industrial rotary disk extractors for the two-stage extraction of caprolactame. Khim. prom. no.2194-101 F 164.

(MIRA 17:9)

KAGAN, S.Z., AFROV, M.E., LONIK, V., VOLKOVA, T.S.

Problems of hydrodynamics and mass transfer in pulsating sieve extractors. Izv. vys. ucheb. zav.; khim. i khim. tekh. 8 no.1: 142-150 165. (MIRA 18:6)

T. Moskovskiy khimiko-stekhnologicheskiy institut imeni Mendeleyeva, kafedra protsessov i apparatov.

Extraction of caprolactam from sulfate liquors in rotary disk extractors.

Ahim. prom. 41 no.3:184-186 Mr '65. (MIRA 18:7)

KAGAN, S.Z.

Design of column extractors taking the longitudinal mixing of phases into account. Part 1. Trudy MKHTI no.47:39-50 164.

Design of column extractors taking the longitudinal mixing of phases into account. Part 2. Ibid.:51-56 (MIRA 18:9)

SAPIRO, Lev Saulovich, inzh.; KAGAN, T., red.; SANOLETOVA, A., tekhn. red.

[Welding in a steam medium] Svarka v srede vodianogo para. Stalino, Knizhnoe izd-vo Stalino-Donbass, 1959. 37 p. (MIRA 14:7)

1. Nachal'nik byuro svarki zavoda im. 15-letiya Leninskogo kommunisticheskogo soyuza molodezhi Ukrainy (for Sapiro) (Welding)

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"Sanitary Analysis of Underground Water, Taking Into Consideration the Influence of Buried Peat Deposits," Gig. i San., No.3, 1948

Belorussian Sci. Res. Sanitary Inst.

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USSR/Medicine-Hygiene and Sanitation Medicine-Water Examination Hov 43

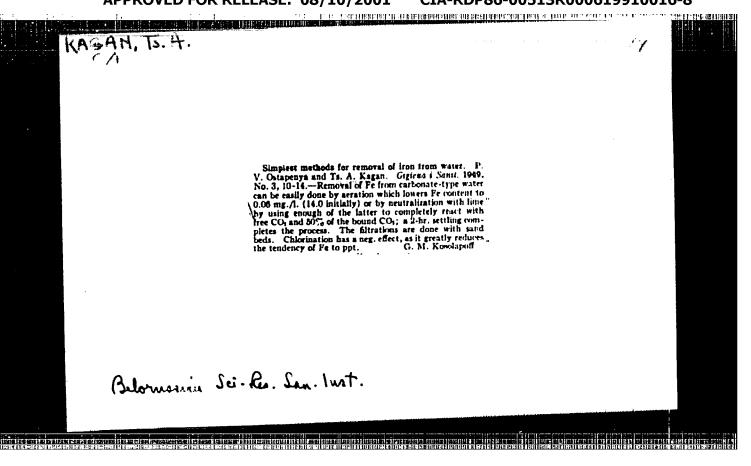
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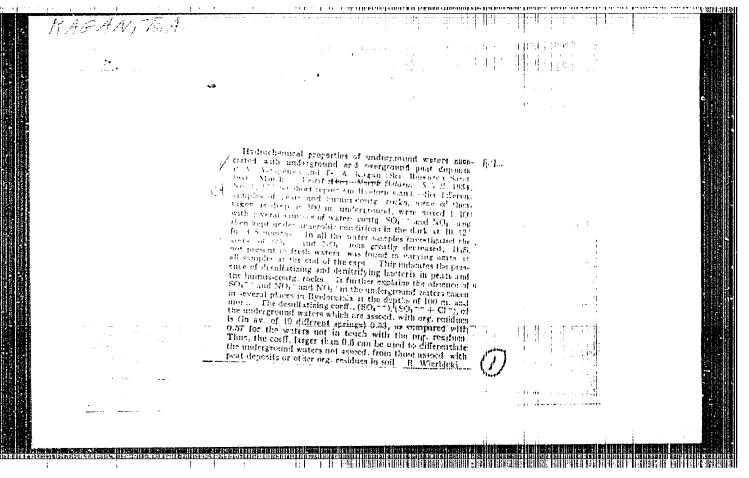
"Sanitary Analysis of Undergr und Water, Taking into Consideration the Influence of Burist Peat Deposits," P.V. Ostapenya, Ts. A. Kagan, Belorussian Sci Res Sanitation Inst, 6 pp

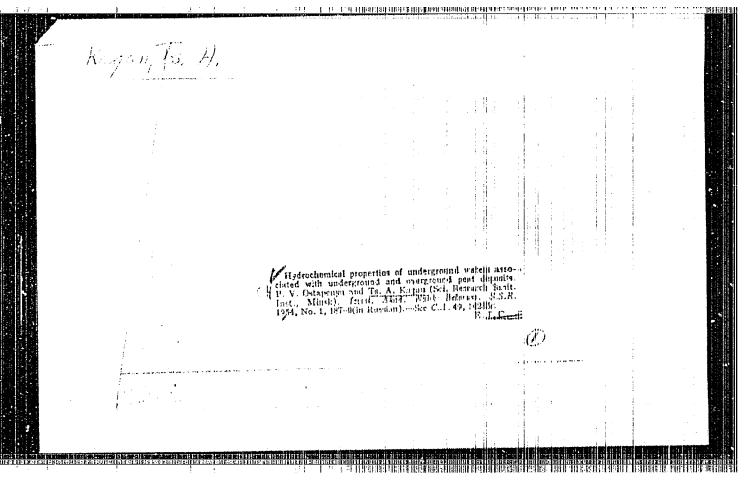
"Glg i Jan" No 11 -M.10-15

Buried organic residues, wilespread in Belorussian SSSR, Have a substantial influence on chemical of adjacent vaters. Since presence of NH, and high addity in these waters do not indicate ground contamination, every worker should consider this factor wher analysing similar waters. To eliminate influence of ground contamination, interrelationship of water and buried peat deposit must be determined by laboratory means. Gives five tables of waters of different deposits.

PA 49/49T59







APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619910016-8"

KAGAN, TS, A.		
OSTAPI	MYA, P.V.; KAGAN, TS.A. Methods for studying underground waters and protecting them from contamination. Gig. i san. no.6:21-23 Je 154. (MLRA 7:6)	
	1. Is Belorusskogo mauchno-issledovatel'skogo sanitarnogo insti- tuta. (WATER SUPPLY, *sanit. protection of subterranean water)	
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касам, Ts. H.

USSR/ Cosmochemistry. Geochemistry. Hydrochemistry

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 11551

Author : Ostapenya P.V., Kagan Ts.A., Gel'fer Ye.A.

Title : Some Data on the Content of Iodine, Fluorine and Copper in Natural

Waters of Poles'ye Lowlands

Orig Pub : Zdravockhr. Belorussii, 1956, No 7, 40-43

Abstract : In waters of Quaternary levels within the territory of Poles'ye there

is less I than in waters of the same levels beyond its borders; in more ancient levels content of I and Br increases. In mineralized waters of the brine type the amount of I reaches 8.0 mg/liter. In the area of Gomel waters of the chalk stratum have an I content of 24.15 // g/liter, and 250/4// g/liter of Br. According to analysis data of 19 samples of water taken in August 1955 from the river Pripyat and its tributaries in mg/liter: F up to 0.13, Cu 1.0 - 8.0. Relatively low concentration of F makes possible mass occurence of dental caries in man and animals.

Card 1/1

REUT, A.I.; LEVINA, R.I.; KAGAN, TS.A.

Viability of certain enteric bacteria in water containing humic substances. Zhur.mikrobiol.enid. i invun., supplement for 1956:10 '57 (HUMUS--PHTSIOLOGICAL EFFECT) (MIRA 11:3) (INTESTINES--BACTERIOLOGY)

OSTAPENYA, P.V.: KAGAN, TS.A.; GEL'YER, Ye.A.

Fluorine, brownine, iodine, and copper in natural waters of the Folesye Lowland. Gidrokhim.mat. 28:76-82 '59. (MIRA 12:9)

1. Belorusskiy nauchno-issledovatel'skiy sanitarnyy institut. g. Minsk.

(Polesye--Water--Composition)

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PHASE I BOOK EXPLOITATION SOV/5374	1tut	01drokhimicheskiye materimly, t. XXX (Nydrochemical substance), Noscow, Izd-vo AM SSSR, 1960. 213 p. Errata slip inserted. 2,000 copies printed.	Sponsoring Agency: Akademiya nauk SSSR. Gidrokhimleheskly institut (Bovocherkassk).	<pre>Aditorial Board (Title page): Resp. Zd. 0. A. Alekin, E. V. Veselovskiy, Deputy Resp. Zd. V. G. Latako, G. S. Konovalov. R. I. Kriventsov, P. A. Kryukov, Resp. Secretary and K. G. Lazarov. Ed. C. Publishing Bouse: D. H. Trifonov. Tech. Ed. I. T. Dorokhina.</pre>	WRFORE: This publication is intended for hydrologists, hydrochemists,	COVERAGE: This is a collection of 22 articles on the hydrochemistry of rivers and water bodies in the USSN. The authors discuss pollution, spectrographic methods of determining the content of macroelesents in water, and the content and discharge of ions, a may anothing the distribution of the ionic discharge of ions, a map anothing the distribution of the ionic discharge of rivers in the USSN is the most complete to appear in print to date. No personalities are mentioned. Each article is accompanied by references.	Ectin, A. M., and E. I. Minachich [Institut diprovestokneft', Knybykhev-Institute of the State Institute for the Dailon and Planting of Petrolem Industry Establishments in the Estern Angions, Knybyshrej. Gases in the Maters of Petrolema Deposita in the Enybyshrey.	Dudors, H. Ta. [Vasacyuzny nauchno-issledovatel'sky insti- Tur gidrogeologii i inthesmony spologii, Noskwa - All bulen Stenifiid Research Institute of Mydrology and Enginesing Geology, Shorowith of Mineral Mirrogen in Waters Con- taining Large Annuals of Mineral Mirrogen by Feans of the Lilling M. T., and W. Te. Yerseenko [Rydrochamical Institute Ali 1354]. Toward a Specificipular Determination of Micro- olusina in Matural Waters, Report II. Extraction With Ouplerron	finar, I. T., and V. Te. Tereseato [Mydrochemical Institute 49 USER]. On the Spectrographic Petermination of Moro- lamonts in Matural Maters. Report III. Extraction Mith 8-Hydrocydukoline (Oxine)	Missewich, B. F., and Yo. S. Mazarowich [Institut geologichaskich mank M SLSR, Kiyey - Kalitate of Carlainal Sciences AS USSR, Kiyey - Markening Carlain Arte Riesofts in Mitural Maters	Eggn, Pe, A., and Ig. A. net iter (Belormaskiv Editority Thistitus, Mins) - Edversian Sentary Edgenering Institut, Mins), us. we winder of Investigating Organic Matter in Underground Maters	Siyko, I. N. [Pelorisian Sanitary Engineering Institute, Mink]. On Fethods of Determining Dichromate Oxidisability of Pure and Polluted Enters	Dyahio. T. 1. ard E. F. Krylova (Vodmaya laboratoriya Sanepidaturtzii C. tvertogo glamprogo upwatentka uvi kintinternin: Artythermonlya 6553, Moskus - Mids Tail. Ing. Labritoriy 15 the Sanitary Engineering and Apidio-Biology Station of the Fourth Main Amainstration of the Biology Station of the Ministry Of Health USSR, Moscowi. Changes in the Conferit of Organiz Mater in Samples of River Mater After Fridonce Stories	Nules for Authors	AWAILABLE: Library of Congress
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OSTAPENYA, P.V.; KAGAN, TS.A.; GEL'FER, Ye.A.

Iodine, bromine, fluorine, and copper content of natural waters in the Polesye Lowland (White Russia). Trudy Biogeokhim. lab. no.11:75-82 '60. (MIRA 14:5)

1. Belorusskiy nauchno-issledovatel'skiy sanitarnyy institut.

(POLESYE_WATER_COMPOSITION) (HALOGENS)

(COPPER)

KAGAN, TS.A.; GEL'FER, Ye.L.

Bromine and iodine in natural waters of the White Russian S.S.R. Gidrokhim.mat. 34:86-94 °61. (MIRA 15:2)

1. Belorusskiy nauchno-issledovatel'skiy sanitarno-gigiyenigheskiy institut, Minsk.
(White Russia--Water--Composition) (Bromine) (Iodine)

OSTAPENYA, P.V.; GEL*FER, Yo.A.; KAGAN, TS.A.

Fluorine content in the drinking water of the White Russian S.S.R. Zdrav. Bel. 9 no.7151-53 J1163 (MIRA 1714)

1. Iz Belorusskogo nauchno-issledovatel skogo sanitamo-gigi-yenicheskogo instituta.

SKRIPNIK, Pavel Mikhaylovich; SIBAROV, A.D., spets. red.; KAGAN, T.B., red.; SAMOLETOVA, A.V., tekhn. red.

[Analysis of the administrative operations of machinery manufacturing plants] Analiz khoziaistvennoi deiatel'nosti mashinostroitel'nykh savodov. Stalino-Donbass, knizhnoe izd-vo, 1960. 85 p. (MIRA 14:7) (Machinery industry)

KAGAN, T.B.; BAGAYEV, V.I., obshchestvennyy red.; TIMOSHEVSKAYA, A.A., tekhn. red.

[Bringing large-scale chemistry to the Donets Basim] Donbassu - bol'shuiu khimiiu. Donetsk, Donetskoe knizhmoe izi-vo, 1963. 92 p. (MIRA 16:12)

1. Predsedatel Donetskogo oblastnogo komiteta profsoyuza rabochikh neftyanoy i khimicheskoy promyshlennosti (for Bagayev). (Donets Economic Region---Chemical industries)

TO THE REPORT OF THE PROPERTY OF THE PROPERTY

OMEL YANOVICH, Vitaliy Mikhaylovich; KAGAN, T.B., red.;
TIMOSHEVSKAYA, A.A., tekhn. red.

[Natural resources of Donetsk Province] Prirodnye resursy Donetskoi oblasti. Donetsk, Donetskoe kndzhnoe izdvo, 1963. 81 p.

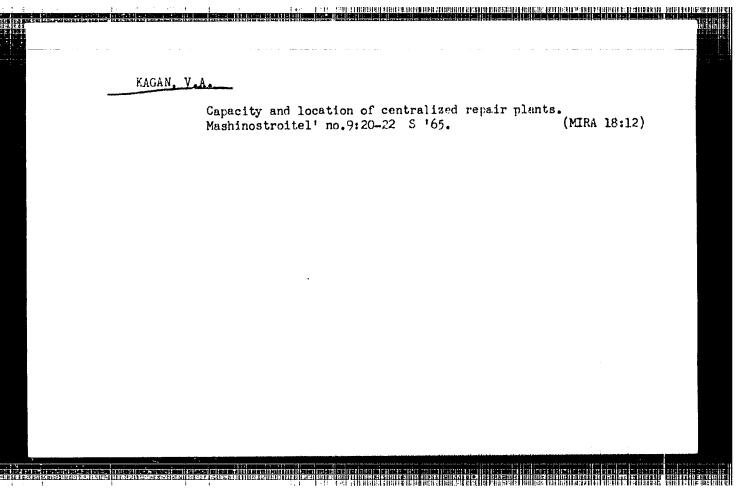
(MIRA 16:12)

(Donetsk Province--Mines and mineral resources)

UVAROV, Vladimir Il'ich, kand.tekhn.nauk; NOROVSKIY, Konstantin Ivanovich, kand. fiziko-matem. nauk; KAGAN, T.B., red.; TIMOSHEVSKAYA, A.A., tekhn. red.

[The future belongs to powder metallurgy] Budushchee za poroshkovoi metallurgiei. Stalino, Knizhnoe imd-vo Stalino-Donbass, 1960. 53 p. (MIRA 16:6) (Powder metallurgy)

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619910016-8"



GUREVICH, V.L.; KAGAN, V.D.

Absorption of ultrasound in piezoelectric semiconductors. Fiz. tver. tela 4 no.9:2441-2446 S 162. (MIRA 15:9)

1. Institut poluprovodnikov AN SSSR, Leningrad. (Absorption of sound) (Piezoelectric substances)

GUREVICH, V. L.; KAGAN, V. D.; LAY CHTMAN, B. D.

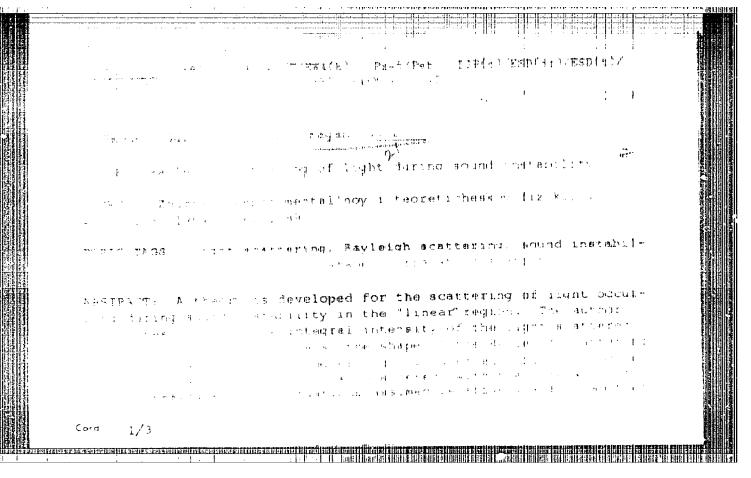
"The growth of fluctuations and non-linear effects in the case of acoustical instability of semiconductors."

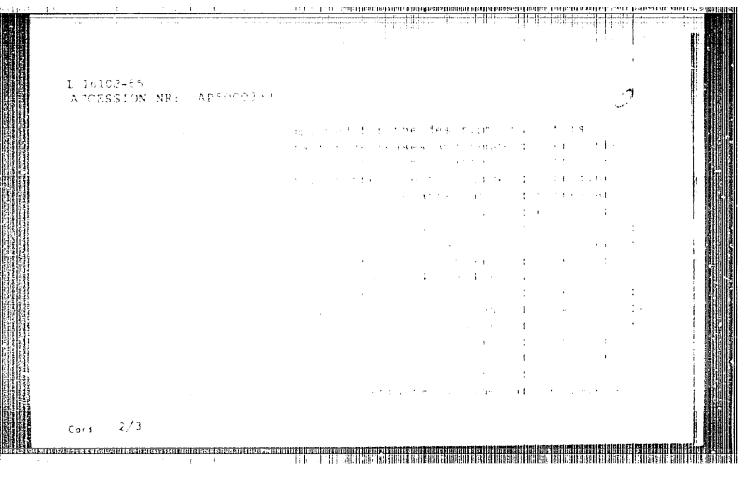
report submitted for Intl Conf on Physics of Semiconductors, Paris, 19-24 Jul 64.

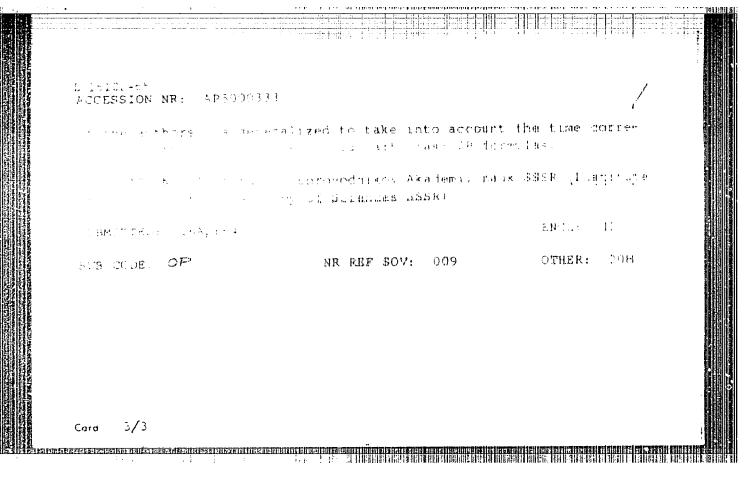
GUREVICH, V.L., KAGAN, V.D.

Form of volt-ampere characteristics of piezoelectric substances in the case of sonic instability. Fiz. tver. tela 6 no.7:2232-2214 Jl 164. (MIRA 17:10)

1. Institut poluprovodnikov AN SSSR, Leningrad.







KAGAN, V.G.

Ekspluatatsiia mashin v sotsialisticheskom zemledelii (Operation of machines in socialist agriculture) Moskva, Selkhozgiz, 1954. 380 p.

SD: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

BURLAKOV, B.S., inzh.; GETMAN, D.Ya., inzh.; GRZHIBOVSKIY, V.V., inzh.; GUSEV, Yu.S., inzh.; YEYRZMOV, V.Ye., inzh.; ZEURAVSKAYA, G.Ya., inzh.; KAGAN, V.C., inzh.; MALYSHEV, A.I., inzh.; PODREZOV, V.M., inzh.; SAPIRSHTEYN, V.E., inzh.; SHKARIN, Yu.P., inzh.; IGLITSYN, I.L., red.; LARIONOV, G.Ye., tekhn.red.

[Adjustment of high-frequency communication and remote control channels utilizing electric power transmission lines] Naladka vysokochastotnykh kanalov sviazi i telemekhaniki po provodam linii elektroperedachi. Moskva, Gos.energ.izd-vo, 1958. 236 p.

(HIRA 13:10)

1. Russia (1923- U.S.S.R.) Ministerstvo elektrostantsii. Tekhnicheskoye upravleniye.

(Remote control) (Telecommunication)

AUTHORS:

Mao Shi-Meo, Engineer, Se Bo-Men, Engineer, Van Chzhu-Man, Engineer, Li Tsin-Men, Engineer, Kagan, V. G., Engineer

TITLE:

The Operating Performance of the High-Frequency Channels of a Differential Phase Protection Relay on Long-Distance Transmission Lines (Rabota vysokochastotnykh kanalov differential'-no-faznoy zashchity na dlinnykh liniyakh elektroperedachi)

PERIODICAL:

Elektrichestvo, 1958, Nr 8, pp. 82 - 85 (USSR)

ABSTRACT:

In China it became necessary to build a high frequency differential phase protection relay on a 220 kV line of a length of 350 - 360 km. The arrangement of the channels on the FVZ'-K-apparatus met with a great number of difficulties. These occur when this relay is used on long-distance transmission lines when single-frequency transmitters and receivers are employed. The difficulties can be overcome by using double frequency transmitters and receivers. In such a case the reliability of the channels is increased, the entrance of a signal reflected from the opposite end of the line into the receiver is avoided, the possibility of com-

Card 1/3

The Operating Performance of the High-Frequency Channels of a Differential Phase Protection Relay on Long-Distance Transmission Lines

pensation of the asymmetry of the phase characteristic is secured, the operation conditions of the receiving transformer become easier and the parallel operation of the transmission and remote control stations with the transmitter-receiver of the relay is improved. -The realization of a double-frequency circuit in the existing Pyz-K-transmitters needs only limited modifications which can easily be carried out with all power supply systems. -The use of double-frequency transmitter-receivers is only useful in the case of long-distance lines. It is especially useful in the case of transmission lines with automatic single-phase reclosing and in cases of operation modes with phases not under full load. The necessity of having two frequencies and the impossibility of realizing a differential. phase relay in the case of transmission lines with branch lines are two of the disadvantages of the double-phase transmitter-receivers. - V. N. Vavin (Mosenergo). Khuan Shi--chiun' (Central Administration of the Shen'yang Power Engineering System, Chinese People's Republic), Van Me-i and Chahan Chahu-chun (Bureau for the Organization and Rationali-

Card 2/3

The Operating Performance of the High-Frequency Channels of a Differential Phase Protection Relay on Long-Distance Transmission Lines

zation of Electric Power Plants and Power Supply Networks of the Chinese People's Republic) assisted in corrying out the work. Li Syue-u translated the paper into Eussian. There are 5 figures, 1 hable, and 4 references, allor which are Soviet.

1. Transmission lines--Equipment 2. Electric relays--Performance 3. Frequency modulation transmitters 4. Frequency modulation receivers

Card 3/3

85624

s/104/60/000/002/003/003 E041/E421

6,7300

Kagan, V.G., Engineer and Lubman, E.U., Engineer

AUTHORS: TITLE:

A Two-Channel Set for High-Frequency Communication on

Transmission Lines

PERIODICAL: Elektricheskiye Stantsii, 1960, No.2, pp.78-81

A method is described whereby two type 900-2 (EPO-2) single-channel sets may be diflexed onto a 400 kV transmission line. The specification for the new arrangement requires that (a) the separate channels will have the same amplitude and frequency characteristics as the original channel, (b) the crosstalk level is less than 4 nepers, (c) ordinary telephone subscribers may be connected (ringing to be achieved by lifting the receiver), (d) connection may be made at one end or both ends to an automatic telephone exchange. of eldiagram of Fig.1, where the heavy lines refer to These new units are and units for the second channel. to the B-3 (V-3) high-frequency equipment, Fig.2 and 3 show, respectively, the automatic switching required for connection to an automatic system and to an ordinary subscriber. In the

Card 1/2

CIA-RDP86-00513R000619910016-8"

APPROVED FOR RELEASE: 08/10/2001

2/019/61/018/012/001/004

AUTHORS:

Kagan, V.G., and Kotlyar, P.E.

D006/D102

THE REPORT OF THE PROPERTY OF

TITLE:

Electronic device for signalling the saturation of air

with mercury vapors

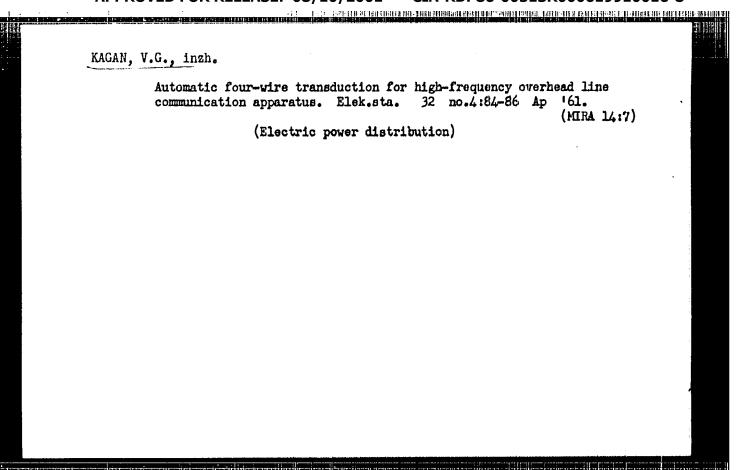
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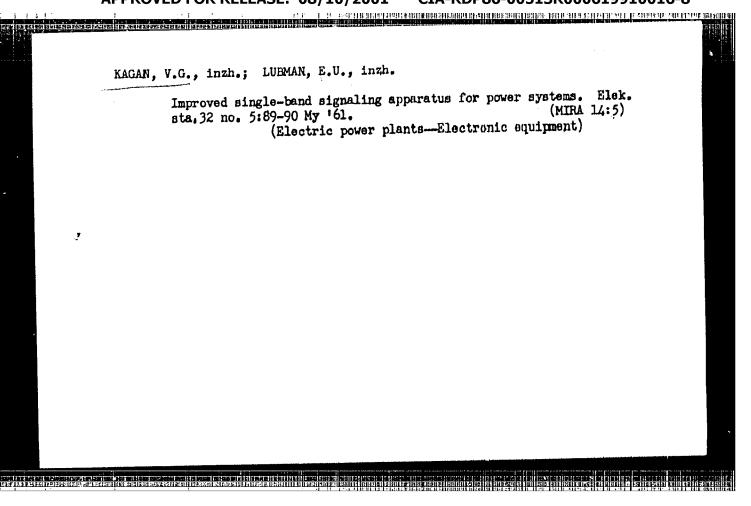
Přehled technické a hospodářské literatury, Emergetika a elektrotechnika, v. 18, no. 12, 1961, 551, abstract # E 61-7599.

Elektr. i. teplovoz., Tyaga 5, February 1961, no. 2, 13-14

TEXT: The device is used in converter stations with mercury rectifiers. It consists of a bridge to which are connected two photocells illuminated by an ultraviolet-light source. One of the photocells is located nearer to the light source than the other. If there are no mercury vapors in the air the bridge is balanced. In the presence of mercury the rays reaching the farther photocell are more shaded than those reaching the nearer one and the bridge becomes unbalanced. The signal is amplified and fed to a signalling or recording device. The original article contains 2 figures. Abstracter's note: The above text is a full translation of the original Czech abstract.

Card 1/1



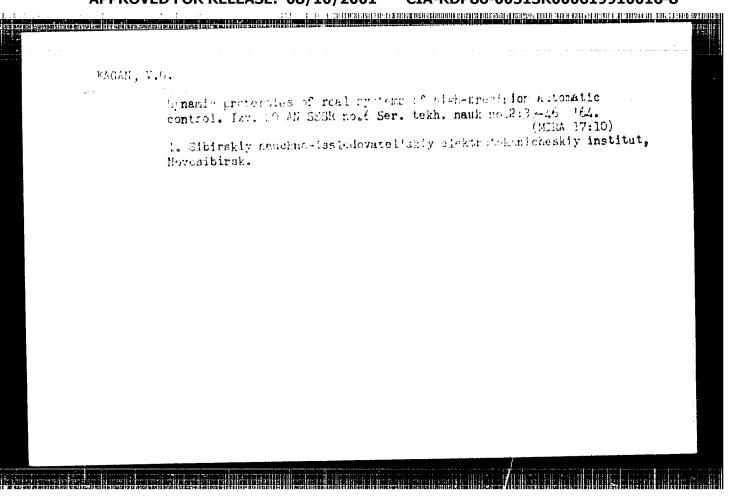


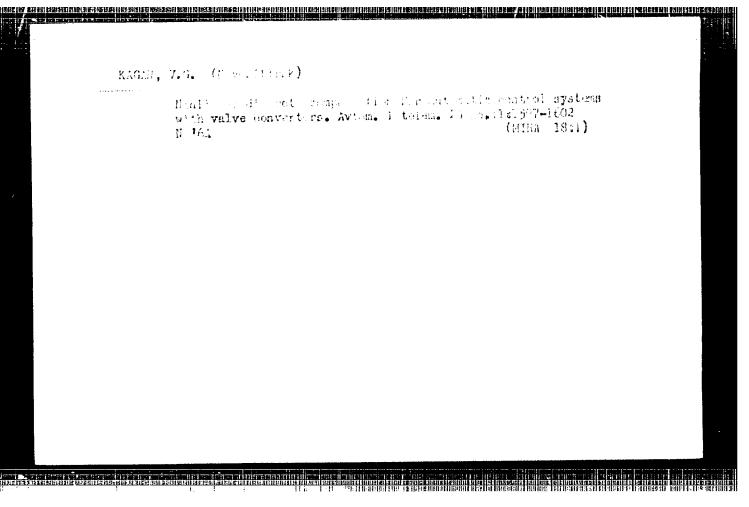
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KOCHUBIYEVSKIY, Feliks Daywlovich CHILIKIN, M.G., prof., red.

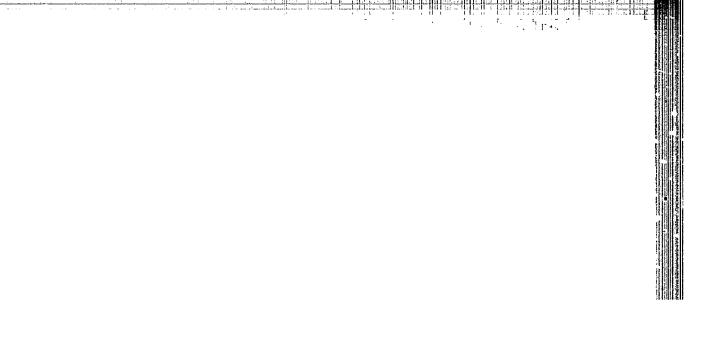
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mashinnyad preobrazovatelisti (19K - G - D), Hobbya,
Energiia, 1964. 18 p. (Biblioteka po nytomatika, no.107)
(NIBL 1719)

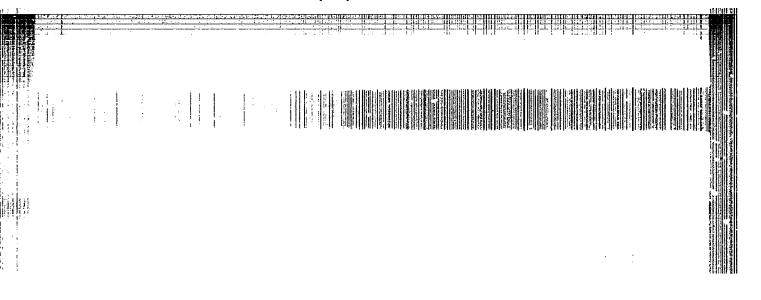
BROVMAN, Yakov Semenovich; KAGAN, Valeriy Gennadiyevich; KOCHUBIYEVSKIY, Feliks Davydovich; NAVDIS, Veniamin Abramovich; CHILIKIN, M.G., red.; LEBEDEV, A.M., red.

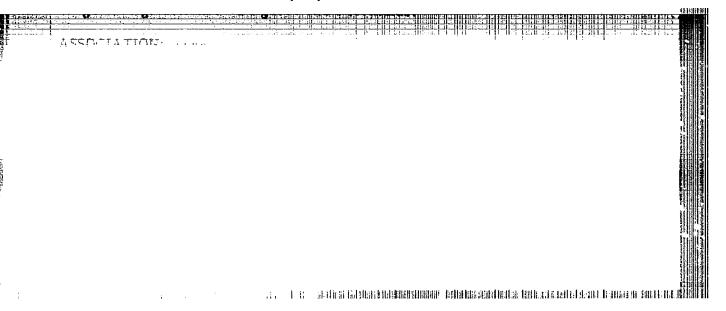
[Direct current systems with amplidyne amplifiers] Sistemy postoiannogo toka s elektromashinnymi usiliteliami. Moskva, Energiia, 1964. 79 p. (Biblioteka po avtomatike, no.119; elektroprivody s poluprovodnikovym upravleniem) (MIRA 18:1)











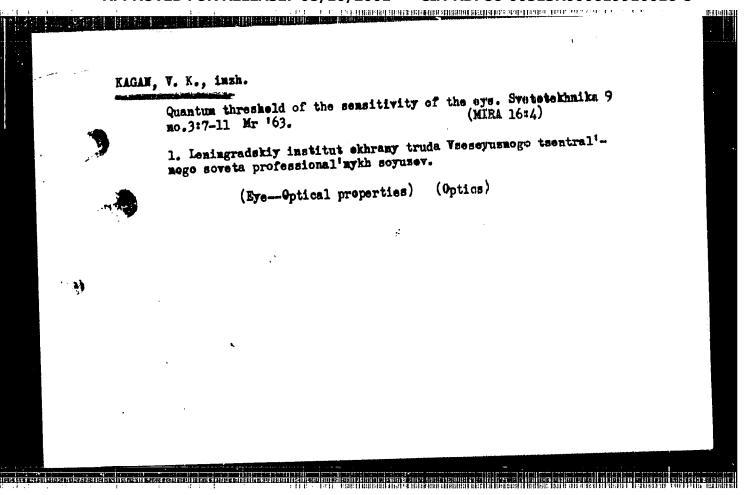
KAGAN, V.I.

New design of a drip pan for the vulcanization of unshaped bicycle rubber pedals. Kauch. i rez. 20 no.12:50-51 D '61.

(Vulcanization) (Rubber goods)

The statement of the st ADAMOV, M.N.; KAGAN, V.K.; ORLOV, B.I. Dispersion formula for an electron in a potential well of finite depth and the optical polarizability of molecules. Opt. i spektr.
10 no.2:276-279 F '61.
(Electrons) (Molecules—Optical properties)

i west	1960 H360 H360 H360	THE THE REPORT OF THE PROPERTY
	22 (24) (1)	12/058/53/000/003/038/104 1014/163/000/003/038/104
	AUTHOR:	Kagan, V. K.
	TITLE:	Quantum nature of light and interconnection of sight characteristics
• • • • • • • • • • • • • • • • • • • •	PERIODICAL:	Referativnyy zhurnal, Fizika, ro. 3, 1963, 75, akstract 3D528 ("Svetotekhnika", 1952, no. 5, 7 - 12)
•	the paramete into account into account of this arti	The formula, derived by Rouz and Luizov for the relationship between ers of a visual instrument and the characteristics of sight, took only the brightness fluctuations of the buckground. Rather took also the fluctuations of the flux. In addition thereto, the author, the took also into account the cwn noise of the receiver and thus objected the common of the receiver and thus objected account the cwn noise of the receiver and thus objected account the cwn noise of the receiver and thus objected account the common assumptions, one can obtain account the cycles of visual perceptions: Rikko's law, Peeper's law, e.c., of approximate expressions. There are 16 references.
	[Abstracter	's note: Complete translation]
	Card 1/1	



AFFTC /ASD EWT(1)/BDS \$/0051/63/014/006/0737/07LL I, 11117-63 ACCESSION NR: AP3002781 AUTHOR: Adamov, M. No: Kagan, V. K.; Orlov, B. I. TITLE: New method for calculating the optical polarical SOURCE: Optika i spektroskopiya, v. 14, No. 6, 1963, 737-744. TOPIC TAGS: optical polarizability, atomic hydrogen ABSTRACT: Starting with the quantum-dispersion theory expression for the polariaability as a function of the radiation frequency, the muthoms deduce am integral representation of this formula applicable to the hydrogen and one electron ions. The integral expression was used to calculate the pollarizabilities of the hydrogen atom in the ground state and in low-lying enclined states with a = 2. For the ground state, with increase of the frequency of the radiation from \$\psi\$ to 3/8 atomic units the polarizability increases menotomically. At this first natural frequency (3/8 atomic units) the function has a discontinually and changes sign; further the polarizability again increases and goes to zero when the frequency equals about 0.404 atomic units. Thus, radiation of this frequency should pass through atomic hydrogen without refraction. The behavior of the polarizability as a function of the radiation frequency for hydrogen in low-lying extited states Cord 1/4/

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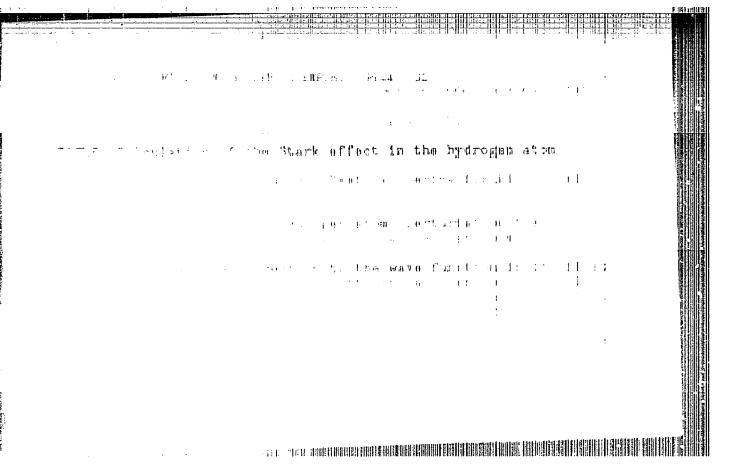
is similar, but the natural frequencies corresponding to discontinuities are different. Orig. art. has: about 66 formulas and two tables.

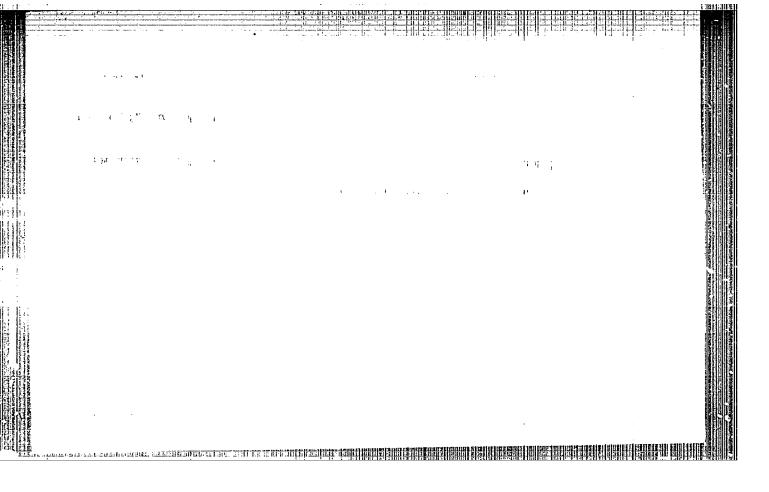
ASSOCIATION: none

SUEMITTED: 060ct62 DATE ACQD: 15Jul63 HNUL: 02

SUB CODE: 00 NO REF SOV: 002 OTHER: 001

Cord 2/4





ADAMOV, M.N.; KAGAN, V.K.; ORLOV, B.I.

Calculating the optical polarizability of the hydrogen atom by means of a power series. Opt. 1 spektr. 19 no.2:300-302 Ag '65.

(MIRA 18:8)

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113 - 1 1 STANDARD REPRESENTATION OF THE PROPERTY OF THE PROPE KAGAN, V.K.; PEREL'MAN, A.Ya.; RYABOVA, Ye.P. Brightness of a cloudless sky in a two-parameter atmospheric model. Trudy 660 no.100:20-24 160. (MIRA 13:6) (Solar radiation)

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s/170/61/004/002/018/018 B019/B060

AUTHORS:

Kagan, V. K., Ryabova, Ye. P.

TITLE:

Calculation of the Components of the Radiation Equilibrium

of Structure Surfaces

PERIODICAL:

Inzhenerno-fizicheskiy zhurnal, 1961, Vol. 4, No. 2,

pp. 131-143

TEXT: The part played by radiation in building construction was discussed in a number of lectures at the II Vsesoyuznyy soveshchanii po aktinometrii i atmosfernoy optiki (2nd All-Union Conference on Actinometry and Atmospheric Optics) (1959). The present paper is devoted to the construction of a computation scheme for the determination of all components of the radiation equilibrium of a surface element when the radiative exchange with other surfaces surrounding this surface element is taken into account. After a definition of designations and geometrical relations the direct solar radiation is first dealt with and an expression is obtained for the solar radiation flux, which is a function of the

Card 1/2

APPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000619910016-8"

Calculation of the Components of the Radiation Equilibrium of Structure Surfaces

S/170/61/004/002/018/018 B019/B060

geographic latitude, sun's altitude, and time of day. An expression for the scattered radiation is derived in the following section. The longest section is devoted to reflected radiation. Expressions concerning the radiation flux are developed for regularly and diffusely reflected radiation. A set of formulas is finally set up for the calculation of the radiative exchange. The radiative exchange is the resultant of counter radiation, of reflection from the surrounding objects, heat radiation, and reflections of the element investigated. Expressions are given for these components of radiant exchange. M. P. Yelovskikh is mentioned. There are 2 figures, 3 tables, and 15 references: 14 Soviet and 1 German.

ASSOCIATION: Agrofizioheskiy institut, g. Leningrad (Institute of

Agricultural Physics, Leningrad)

SUBMITTED: August 3, 1960

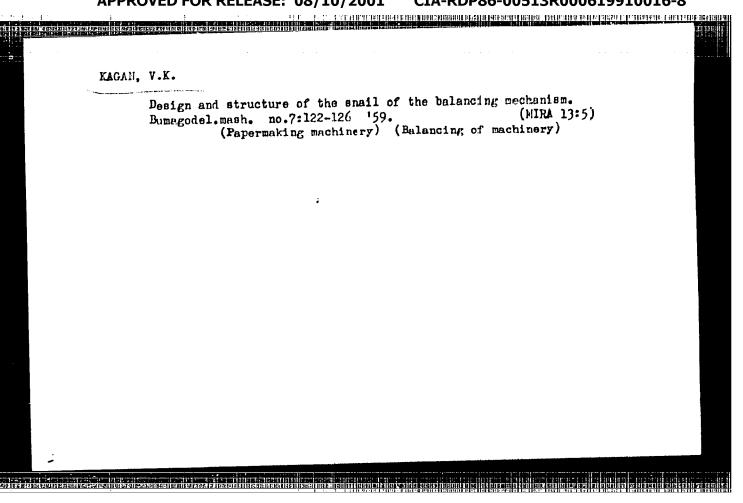
Card 2/2

The state of the control experience and the cont

KAGAN, V.K.; RYABOVA, Ye.P.

Calculating the spectral brightness distribution for a cloudless sky using a two-parameter model of the atmosphere. Trudy GGO no.152:16-30 '64. (MIRA 17:7)

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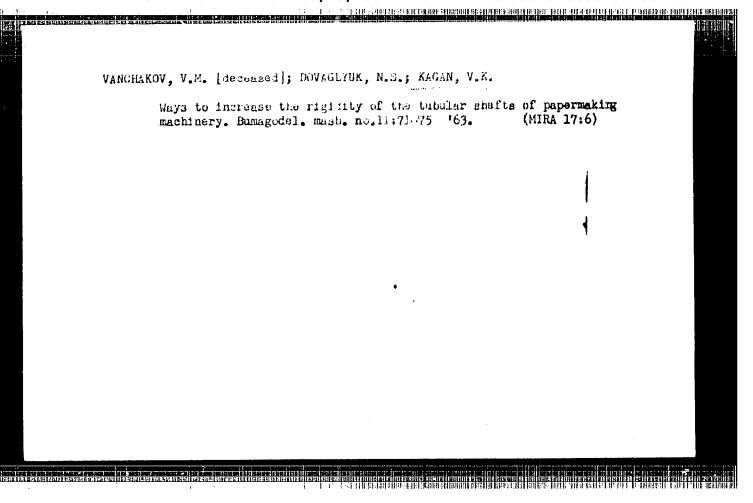


TURCHENKO, A.I., inzh.; NIKHAMKIN, E.A., inzh.; KAGAN, V.K., inzh.

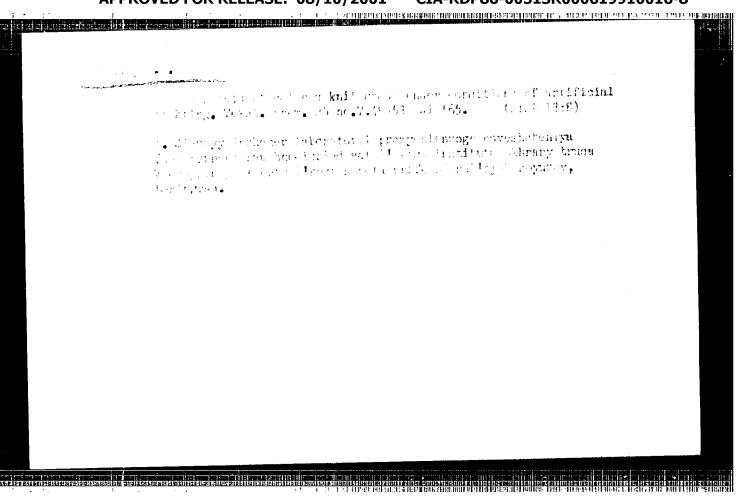
A standarized automatic sheet paper cutter is noeded.
Bum. prom. 36 no.8:24, Ag '64 (MIRA 14:8)

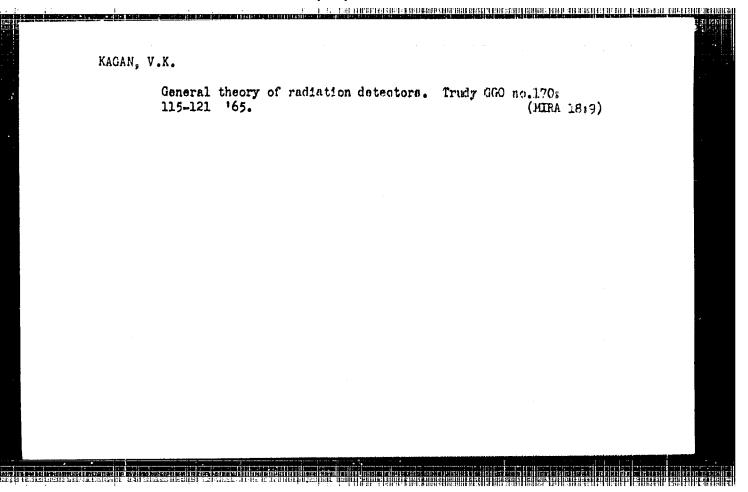
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(Papermaking machinery)



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3(4) AUTHOR:

Kagan, V. L.

3/006/60/000/02/004/024 B007/B011

TITLE:

Computation and Adjustment of the Coordinates of a Lonely Point Which Was Determined by the Aid of Linear Intersection

PERIODICAL: VGeodeziya i kartografiya, 1960, Nr 2, pp 21-26 (USSR)

ABSTRACT:

Methods are demonstrated here for the computation and adjustment of the coordinates of a point determined from two, three, or more measured sides. These methods are simpler than those offered by S. A. Butler (Ref 1, Footnote on p 21) and V. A. Polevoy (Ref 2, Footnote on p 21). They are used for computing in the open air by the aid of a computer and tables of logarithms or tables on the increase of rectangular coordinates. In the case of small triangles with measurei sides, their corrections for reduction onto a plane in the Gauss projection may not be neglected. Hence, the problem must be first solved graphically before calculating the coordinates of the lonely point. Data obtained in such a manner can be utilized for checking in the open air and for computing the correction. By the aid of the method given here it is possible to calculate the coordinates of points which are determined by means of very

Card 1/2

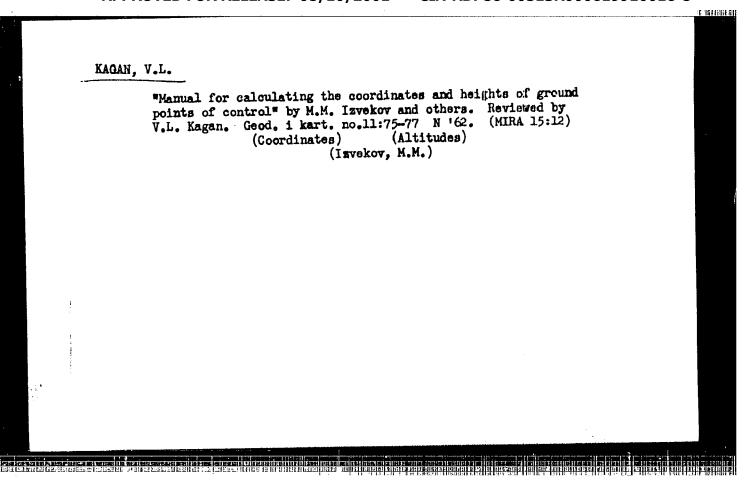
Computation and Adjustment of the Coordinates of a Lonely Point Which Was Determined by the Aid of Linear Intersection

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to the transfer and a first statement has a statement of the first of

large (200 km) measured distances. Table 5 shows an example of an analytical solution of the problem (according to the data of table 2). There are 4 figures, 5 tables, and 2 Soviet references.

Card 2/2



KAG	N, V.L.			
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KAGAN, V.N.; SHCHUKIN, V.I.; TSEGEL'SKIY, V.L., insh., nsuchn.
red.; PATENOVSKAYA, M.I., red.izd-va; MOCHALINA, Z.S.,
tekhn. red.

[Gas welding and cutting in construction] Gazovaia svarka
i rezka v stroitel'stve. Moskva, Gosstroizdat, 1963. 117 p.
(HIRA 16:11)

(Gas welding and cutting)

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NAUMOV, V.G., inzh.: KAGAN, V.N., inzh.

Mechanized welding of large cement kilns. Mont. i spets. rab. v stroi.
22 no.5:12-15 My '60. (MIRA 13:10)

1. Glavtekhmontash i Orgproyekttekhmontash Minstroya RSFSR. (Cement kilns)

KAGAN, V.N., inzh; BRAYLOVSKITY, P.M.

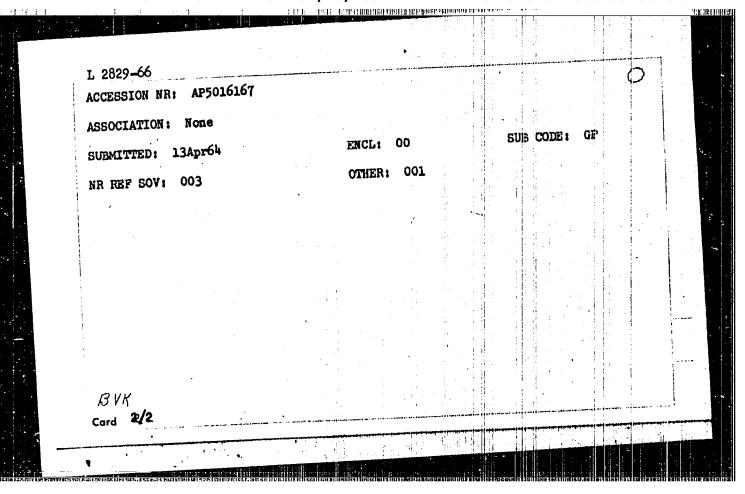
Welding towers made of two layers of steel. Mont. i spets. rab.
stroi. 23 no. 5.21-24 My*61.

1. Trest Orgproyekttekhmontazh.
(Paper-making machinery-welding)

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S	OURCE: Opti	ka i spektroskopi	iya, v. 18, no.	6, 1965, 965-967		
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[Safety rules in coal and shale mines] Pravila bezopasnosti v ugol'nykh i slantsevykh shakhtakh. Moskva, Ugletekhizdat, 1951. 207 p. (MLRA 9:1)

1. Russia (1923- U.S.S.R) Ministerstva ugol'noy promyshlennosti. (Coal mines and mining-Safety measures)

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AVETISOV, E.S.; KAGAN, V.Ye.

Photographic method of investigating and registering sivual fixation in amblyopia. Uch.zap. GNII glaz.bol. no.8:244-247'63.

(MIRA 16:9)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut glaz-

nykh bolezney imeni Gel'mgol'tsa.
(AMELYOPIA) (OPHTHALMOSCOPY)